

# EXHIBIT 26



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**Al-Ali**

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(54) **PHYSIOLOGICAL MEASUREMENT DEVICES, SYSTEMS, AND METHODS**(71) Applicant: **MASIMO CORPORATION**, Irvine, CA (US)(72) Inventor: **Ammar Al-Ali**, San Juan Capistrano, CA (US)(73) Assignee: **Masimo Corporation**, Irvine, CA (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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(Continued)

(52) **U.S. Cl.**

CPC ..... *A61B 5/14552* (2013.01); *A61B 5/0002* (2013.01); *A61B 5/02416* (2013.01); (Continued)

(58) **Field of Classification Search**

None

See application file for complete search history.

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A non-invasive, optical-based physiological monitoring system is disclosed. One embodiment includes an emitter configured to emit light. A diffuser is configured to receive and spread the emitted light, and to emit the spread light at a tissue measurement site. The system further includes a concentrator configured to receive the spread light after it has been attenuated by or reflected from the tissue measurement site. The concentrator is also configured to collect and concentrate the received light and to emit the concentrated light to a detector. The detector is configured to detect the concentrated light and to transmit a signal representative of the detected light. A processor is configured to receive the transmitted signal and to determine a physiological parameter, such as, for example, arterial oxygen saturation, in the tissue measurement site.

**25 Claims, 7 Drawing Sheets**